

EDUCATION

The University of North Carolina at Chapel Hill May 2022
Computer Science, B.S. and Mathematics, B.S. Cumulative GPA: 3.9

Coursework

Files and Databases | Modern Web Programming | Quantum Computing | Computer Organization |
Data Structures | Foundations of Programming | Discrete Mathematics | Differential Equations

SKILLS

Proficient: Java, HTML, CSS, Javascript, React, Git/Github, Web Development

Familiar: Python, Flask, Gatsby, Firebase, MIPS, Figma, Linux, Keras, NoSQL, SQL

EXPERIENCE

UNC Summer of Code Summer 2020
Full-Stack Developer

- Created UNC Computer Science Resume Database, an application allowing UNC-CS corporate partners to easily view and filter through students' resumes to aid in recruiting
- Collaborated with team members to design the UI/UX of the application using **Figma**, then implemented the design using **React**
- Implemented the backend using **Firebase's NoSQL Database** to allow querying based on desired attributes such as graduation year, major and programming languages

UNC-CH Department of Computer Science Spring 2020
Computer Organization Learning Assistant

- Assisted the professor in the creation of weekly quizzes to test knowledge of low level computing concepts
- Answered student questions during office hours and through an online forum
- Assisted students in debugging **C/MIPS** code

Computer Science + Social Good Spring 2020 - Current
Project Manager / Developer

- Partnered with team members to develop MindAboveMatter.org, a website that serves as a directory of mental health resources at UNC powered by **Python Flask** and **Javascript**
- Lead a team of 15 students in the creation of an inventory management system for Carolina Closet using **React** and **Sequelize**

UNC Cybersecurity Club Fall 2019 - Current
Co-President / Treasurer

- Participated as a team member in various CTFs and Hack the Box cybersecurity challenges
- Teach basic cybersecurity concepts through club-held lectures
- Pen-tested UNC-CS Resume Database with other club members before its release to UNC-CS students

Winek Clinic Summer 2020
Web Developer

- Created winekclinic.com, a website displaying information about a counseling practice
- Designed the UI/UX of the site using **Figma** in collaboration with a colleague
- Implemented the design using **Gatsby** which utilizes **React's** templating engine
- Created animations for the site using the **React Spring** npm package

PROJECTS

Drake Lyrics Machine Learning Based Generator Spring 2020

- Collected all lyrics from Drake's discography using the **Beautiful Soup** Python library
- Trained a generative model using **Python Keras** to generate lyrics in Drake's style
- Built a frontend for this model to allow users to generate their own lyrics with **Python Flask**